

CLAIMS

What is claimed is:

A golf putter comprising:

- 1 1. A shaft with a top end and a bottom end, said top end enclosed by a grip
2 and said bottom end fixedly attached to a head at an angle ten degrees or greater
3 from a direction perpendicular to said head and a longitudinal axis extending
4 from said top end to said bottom end;
- 1 2. A head having mass, a center of gravity, a top face having an alignment
2 means, a bottom face having a narrow sole and rearwardly and upwardly
3 extending doze portion, a front striking face having a non radial curvature and a
4 sweet spot, a rear section sculpted for concentrating said mass at a point of
5 attachment of a shaft, a heel section and a distal toe.
- 1 4. The head of Claim 2 wherein said top face has an alignment means
2 extending in a radial arc from said front face wherein a fulcrum of said arc is
3 centered at said center of gravity of said head and defines said sweet spot.
- 1 5. The head of Claim 2 wherein said bottom face has a narrow sole.
- 1 6. The head of Claim 2 wherein said bottom face has a rearwardly and
2 upwardly extending doze.
- 1 7. The doze of Claim 6 wherein said doze extends upwardly and rearwardly
2 at an angle of greater than 10 degrees from a horizontal plane.
- 1 8. The head of Claim 2 wherein said front striking face has a surface forming
2 a non- radial curvature vertically extending across said front striking face and a
3 non-radial curvature horizontally extending across said front striking face
4 whereby when a golf ball having a surface is struck by said front striking face
5 surface, a one degree loft is imparted to said golf ball over a larger impact zone
6 regardless of where on said front striking surface said front striking surface
7 intersects said golf ball surface at a moment of impact.
- 1 9. The front striking face surface of Claim 8 wherein said vertically and

2 horizontally extending non-radial curvatures are defined by an arc derived from a
3 smoothing of a series of individual non-radial surfaces across said front striking
4 face

1. 10. The individual non-radial surfaces of Claim 9 whereby each non-radial
2. surface is defined by an non-radial curvature individually formulated to provide a
3. surface which when in contact with said golf ball surface imparts a one degree loft
4. to said golf ball regardless of where on said front striking face surface said front
5. striking face surface intersects said golf ball surface at a moment of impact.

1 11. The rear section of Claim 2 wherein said sculpted rear section removes
2 mass from said head whereby said center of gravity is concentrated at an entry point
3 of said shaft along said longitudinal axis of said shaft rearward of said front face,
4 enabling a pendulum swing by a golfer.

1. 13. The individual non-radial surfaces of Claim 9 whereby each non-radial
2. surface is defined by an non-radial curvature individually formulated to provide a
3. surface which when in contact with said golf ball surface imparts a one degree loft
4. to said golf ball regardless of where on said front striking face surface said front
5. striking face surface intersects said golf ball surface at a moment of impact.

A golf putter comprising:

1 14. A shaft with a top end and a bottom end, said bottom end fixedly attached
2 to a head and a longitudinal axis extending from said top end to said bottom end;

1 15. A head having mass, a center of gravity, a top face having an alignment
2 means, a bottom face having a narrow sole and rearwardly and upwardly
3 extending doze portion, a front striking face having a non-radial curvature and a
4 sweet spot, a rear section and a distal toe section.

1. 17. The head of Claim 15 wherein said top face has an alignment means
2. extending in a non-radial arc from said front face wherein a fulcrum of said non-
3. radial arc is centered at said center of gravity of said head and defines said sweet
4. spot.

1 18. The head of Claim 15 wherein said bottom face has a rearwardly and
2 upwardly extending doze.

1 19. The doze of Claim 18 wherein said doze extends upwardly and rearwardly
2 at an angle of greater than 10 degrees from a horizontal plane.

1 20. The head of Claim 15 wherein said front striking face has a surface
2 forming a non-radial curvature vertically extending across said front striking face
3 and a one degree loft is imparted to said golf ball regardless of where on said
4 golf ball surface said front striking surface intersects said golf ball surface
5 at a moment of impact.

1 21. The front striking face surface of Claim 20 wherein said vertically and
2 horizontally extending radial curvatures are defined by an arc derived from a
3 smoothing of a series of individual non-radial surfaces across said front striking
4 face.

1 22. The individual non-radial surfaces of Claim 21 whereby each non-radial
2 surface is defined by an non-radial contour individually formulated to provide a
3 surface which when in contact with said golf ball surface imparts a one degree loft
4 to said golf ball regardless of where on said front striking face surface said front striking surface intersects
5 said golf ball surface at a moment of impact.

1 23. The rear section of Claim 15 wherein said sculpted portion removes mass from said
2 head whereby said center of gravity is concentrated at an entry point of said shaft
3 along said longitudinal axis of said shaft rearward of said front face, enabling a
4 pendulum swing by a golfer.

1 24. The entry point of Claim 23 wherein said entry point is located at a point
2 between said heel and said toe portions of said putter head.

A golf putter head comprising:

1 26. A head having a top face with an alignment means, a bottom face, a front

2 striking face having a non-radial curvature, a sweet spot and a rear section.

1 27. The head of Claim 26 wherein said top face has an alignment means
2 extending in a non-radial arc from said front face wherein a fulcrum of said non-
3 radial arc defines said sweet spot.

1 28. The head of Claim 26 wherein said front striking face has a surface
2 forming a non- radial curvature vertically extending across said front striking face
3 and a one degree loft is imparted to said golf ball regardless of where on said
4 front striking face surface said front striking surface intersects said golf ball surface at a moment of impact.

1 29. The front striking face surface of Claim 28 wherein said vertically and
2 horizontally extending non-radial curvatures are defined by an arc derived from a
3 smoothing of a series of individual non-radial contours across said front striking
4 face.

1 30. The individual non-radial surfaces of Claim 29 whereby each non-radial
2 surface is defined by a non-radial curve individually formulated to provide a
3 surface which when in contact with said golf ball surface imparts a one degree loft
4 to said golf ball regardless of where on said front striking face surface said front
5 striking face surface intersects said golf ball surface at a moment of impact.